Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	11/15/2017 09:33 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125443	0	1.25	125353	1.20
Blue	F	SSC	125000	123985	-1	2.46	124409	2.30
Blue	E	FITC	23615	22968	-3	2.38	1020	10.34
Blue	D	PE	26739	26485	-1	1.96	952	10.02
Blue	B	PerCP-Cy5-5	48339	47775	-2	3.32	1374	16.94
Blue	A	PE-Cy7	45021	45051	0	5.07	700	36.64
Red	C	APC	53064	52346	-2	2.75	3032	9.37
Red	A	APC-Cy7	57175	56202	-2	2.73	1167	11.20
Violet	B	V450	14728	14116	-5	5.88	676	9.80
Violet	A	V500	58621	57384	-3	5.83	2532	7.59

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20069	2.48	611	-3	N/A	N/A	Pass
Blue	F	SSC	61267	1.51	547	1	N/A	N/A	Pass
Blue	E	FITC	116	37.49	548	0	0.0201	81	Pass
Blue	D	PE	210	30.22	538	2	0.1585	286	Pass
Blue	B	PerCP-Cy5-5	216	46.04	638	3	0.0101	140	Pass
Blue	A	PE-Cy7	73	126.69	697	4	0.0111	17	Pass
Red	C	APC	352	27.68	596	-1	0.0207	84	Pass
Red	A	APC-Cy7	128	42.17	580	0	0.0057	2118	Pass
Violet	B	V450	83	42.36	465	-5	0.0520	2275	Pass
Violet	A	V500	185	21.91	493	-4	0.0167	440	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.38	-30.91	0.91
Blue	20.35	16.27 - 24.41	1.27	0.99 - 1.49	0.00	0.00	1.34
Red	17.86	14.40 - 21.60	N/A	N/A	30.94	31.28	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 10931

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments